

**WHAT IS CLAIMED IS:**

1. A method performed in a Financial Service Organization (FSO) computer system, the method comprising:

5 building a first key value from one or more data element values stored in a first memory in the FSO computer system;

comparing the first key value to one or more key values stored in a second memory, wherein the second memory comprises one or more database identifier values each corresponding to a respective key value of the one or more key  
10 values;

writing into a third memory a first database identifier value of the one or more database identifier values stored in the second memory in response to finding a match between the first key value and one of the one or more key values stored in the second memory; and

15 accessing a first database in response to writing the first database identifier value into the third memory;

wherein the one or more key values and the one or more database identifier values stored in the second memory are entered by a user of the FSO computer system during a configuration of the FSO computer system.

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2. The method of claim 1, wherein the FSO computer system comprises a plurality of databases, wherein the plurality of databases includes the first database, wherein each of the plurality of databases corresponds to a respective database identifier value, wherein one of the plurality of databases is an active database, wherein an active database identifier value corresponding to the active database is  
25 stored in a fourth memory, wherein the accessing the first database in response to writing the first database identifier value into the third memory comprises:

comparing the first database identifier value in the third memory to the active database identifier value in the fourth memory; and

setting the active database to the first database in response to the first database identifier value in the third memory not matching the active database identifier value in the fourth memory.

- 5     3.     The method of claim 2, wherein setting the active database to the first database comprises setting the active database identifier value stored in the fourth memory to the first database identifier value from the third memory.
- 10     4.     The method of claim 1, wherein the FSO computer system comprises a key definition comprising one or more data elements, wherein the first key value comprises one or more key fields, wherein the building the first key value from one or more data element values in the first memory in the FSO computer system comprises:
- 15                 reading a first data element value from the first memory, wherein a location of the first data element value in the first memory is defined by a first data element from the key definition; and
- storing the first data element value in a first key field in the first key value in response to reading the first data element from the first memory.
- 20     5.     A carrier medium comprising program instructions, wherein the program instructions are executable by a FSO computer system to implement:
- building a first key value from one or more data element values stored in a first memory in the FSO computer system;
- comparing the first key value to one or more key values stored in a second memory, wherein the second memory comprises one or more database identifier values each corresponding to a respective key value of the one or more key values;
- 25                 writing into a third memory a first database identifier value of the one or more database identifier values stored in the second memory in response to

finding a match between the first key value and one of the one or more key values stored in the second memory; and

accessing a first database in response to writing the first database identifier value into the third memory;

5                wherein the one or more key values and the one or more database identifier values stored in the second memory are entered by a user of the FSO computer system during a configuration of the FSO computer system.

6.            The carrier medium of claim 5, wherein the FSO computer system comprises a  
10            plurality of databases, wherein the plurality of databases includes the first database, wherein each of the plurality of databases corresponds to a respective database identifier value, wherein one of the plurality of databases is an active database, wherein an active database identifier value corresponding to the active database is stored in a fourth memory, wherein the accessing the first database in  
15            response to writing the first database identifier value into the third memory comprises:

              comparing the first database identifier value in the third memory to the active database identifier value in the fourth memory; and

              setting the active database to the first database in response to the first  
20            database identifier value in the third memory not matching the active database identifier value in the fourth memory.

7.            The carrier medium of claim 5, wherein setting the active database to the first database comprises setting the active database identifier value stored in the fourth  
25            memory to the first database identifier value from the third memory.

8.            The carrier medium of claim 5, wherein the FSO computer system comprises a key definition comprising one or more data elements, wherein the first key value comprises one or more key fields, wherein the building the first key value from

one or more data element values in the first memory in the FSO computer system comprises:

reading a first data element value from the first memory, wherein a location of the first data element value in the first memory is defined by a first data element from the key definition; and

storing the first data element value in a first key field in the first key value in response to reading the first data element from the first memory.

9. The carrier medium of claim 5, wherein the carrier medium is a memory medium.

10. A system for processing FSO transactions, the system comprising:

a computer program;

an FSO computer system;

wherein the computer program is executable on the FSO computer system to execute:

building a first key value from one or more data element values stored in a first memory in the FSO computer system;

comparing the first key value to one or more key values stored in a second memory, wherein the second memory comprises one or more database identifier values each corresponding to a respective key value of the one or more key values;

writing into a third memory a first database identifier value of the one or more database identifier values stored in the second memory in response to finding a match between the first key value and one of the one or more key values stored in the second memory; and

accessing a first database in response to writing the first database identifier value into the third memory;

wherein the one or more key values and the one or more database identifier values stored in the second memory are entered by a user of the FSO computer system during a configuration of the FSO computer system.

- 5 11. The method of claim 10, wherein the FSO computer system comprises a plurality of databases, wherein the plurality of databases includes the first database, wherein each of the plurality of databases corresponds to a respective database identifier value, wherein one of the plurality of databases is an active database, wherein an active database identifier value corresponding to the active database is  
10 stored in a fourth memory, wherein the accessing the first database in response to writing the first database identifier value into the third memory comprises:  
comparing the first database identifier value in the third memory to the active database identifier value in the fourth memory; and  
setting the active database to the first database in response to the first  
15 database identifier value in the third memory not matching the active database identifier value in the fourth memory.
12. The method of claim 11, wherein setting the active database to the first database comprises setting the active database identifier value stored in the fourth memory  
20 to the first database identifier value from the third memory.
13. The method of claim 10, wherein the FSO computer system comprises a key definition comprising one or more data elements, wherein the first key value comprises one or more key fields, wherein the building the first key value from  
25 one or more data element values in the first memory in the FSO computer system comprises:  
reading a first data element value from the first memory, wherein a location of the first data element value in the first memory is defined by a first data element from the key definition; and

